10

| 14 | 50 | 12 | 50 | 16 | 20 | 18 |

#1 HOST — 12 — #1 SCSI ROUTER — #1 TARGET DEVICE

FIG. 1

#1 TARGET
FIFO QUEUE

| B |
| C |

24

#2 TARGET
FIFO QUEUE

| E |
| |

36

10

#1 HOST — 12 — #1 SCSI ROUTER

#1 TARGET DEVICE — 18
#2 TARGET DEVICE — 28

#2 HOST — #2 SCSI ROUTER

#3 TARGET DEVICE — 32
#4 TARGET DEVICE — 34

14 50 12 50 16 20
22 50 30 50 20

FIG. 2

FIG. 3

FIG. 4

MEMORY MODULE

EMPTY			EMPTY	EMPTY												
BUFFER A 86	BUFFER B 86	BUFFER C 86	BUFFER D 86	BUFFER E 86	BUFFER F 86	BUFFER G 86	BUFFER H 86	BUFFER I 86	BUFFER J 86	BUFFER K 86	BUFFER L 86	BUFFER M 86	BUFFER N 86	BUFFER O 86

84

EMPTY BUFFER QUEUE

A 90	C 90	D 90	∘∘∘

88

FIG. 5

TARGET DEVICE 56

10

SCSI ROUTER 54

FIBER CHANNEL HOST 52

1 MEG READ COMMAND AND 64K BUFFER 94

64K DATA PLUS BUFFER REQUEST 96

64K DATA BUFFER 98

64K DATA PLUS BUFFER REQUEST 100

64K BUFFER 102

64K DATA AND BUFFER REQUEST 104

END 106

ALLOCATE THREE 64K BUFFERS AND PLACE ON QUEUE

ISSUE 64K BUFFER 102

ALLOCATE 64K BUFFER AND PUT ON BOTTOM OF QUEUE

END 106

READ (1 MEG) 92

MSG

64K DATA 102

END 106

FIG. 6

FIG. 7

FIBER CHANNEL HOST 52

SCSI ROUTER 54

TARGET DEVICE 108

1 MEG READ COMMAND — 140

64K READ COMMAND AND BUFFER — 142

ALLOCATE 64K BUFFERS, SET XFR LENGTH AND SEND

64K DATA AND COMMAND COMPLETE MESSAGE — 144

ALLOCATE 64K BUFFER, SET RELATIVE READ OFFSET AND XFR LENGTH AND SEND — 146

64K READ COMMAND AND 64K BUFFER — 148

64K DATA AND COMMAND COMPLETE MESSAGE — 150

64K DATA — 150

END — 152

10